



## Johnson Metasys®

[www.airedale.com](http://www.airedale.com)

### Metasys® Serial Card

Metasys® (Johnson Controls) is a building automation system conceived by Johnson Controls.

The Airedale AireTronix controllers are able to communicate using the RS485 serial card. The RS485 serial card is a small PCB (60mm x 30mm), which can be plugged into the AireTronix controller to provide it with communication to the Metasys® system, via a metasys integrator which in turn communicates to the N2 bus.

Once the RS485 serial card is fitted, a simple menu structure via the AireTronix controller keypad, allows the operator to set the communication speed for the RS485 serial card and set the protocol to CAREL.

The integration of the AireTronix controller into the Johnson Metasys® system has been carried out repeatedly by:-

Johnson Controls  
Via Monfalcone, 15  
20132 Milan, ITALY  
Phone ++39 02 28042.1  
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Documentation for the integration is provided by Johnson Controls in this instance as the set-up of the protocol change is carried out at the Metasys® BMS.

A list of the variables is then provided to the system integrator who will be able to connect to the Metasys® system with the support of Johnson Controls.

Typical information supplied to the system integrator for the Metasys® Interface Card is shown below

Description	Units	Carel ID	Read/Write	State	Explanation
Room Temperature	DegC	a4	Read		Physical room temperature
Room Humidity	%RH	a1	Read		Physical room humidity
Supply Temperature	DegC	a5	Read		Physical supply temperature
Filter Change	On/Off	d37	Read	On = Fail	Filter change alarm
Fire - Smoke Alarm	On/Off	d36	Read	On = Fail	Fire smoke alarm
Temperature Setpoint	DegC	a12	Read/Write		Adjustment of control temperature setpoint
Humidity Setpint	%RH	a13	Read/Write		Adjustment of control humidity setpoint
Humidity Conductivity	uScm	a2	Read		Humidifier conductivity reading
Humidity Current	Amps	a3	Read		Humidifier running current